## Collecting, Classifying, Analyzing, and Using Real-World Elections

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#### Abstract

Status Quo in Computational Social Choice - Computational Social Choice: algorithmic and axiomatic analysis of collective decision-making problems, where the preferences of agents should be aggregated into a "compromise" solution. - Early years: study of the theoretical worst-case computational complexity of decision-making related problems. - More recently: focus has partially shifted towards the practical applicability of theoretical research, yet many subareas still lack empirical research (one explanation: unavailability of real-world data) - PrefLib platform largest database for real-world elections (previously containing 701 real-world elections divided into 36 datasets). Most of them either have few candidates or voters express only partial preferences which can include many ties.


